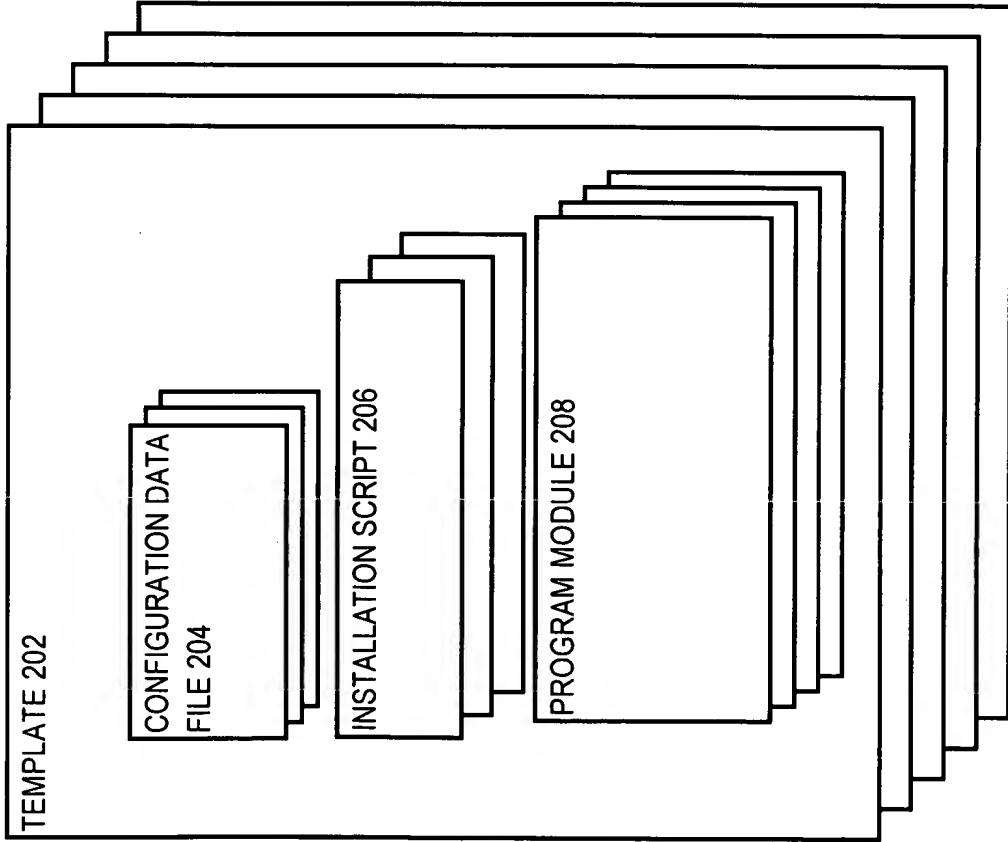


FIGURE 1

PACKAGE AND SERVICE TEMPLATE DATASTORE 120



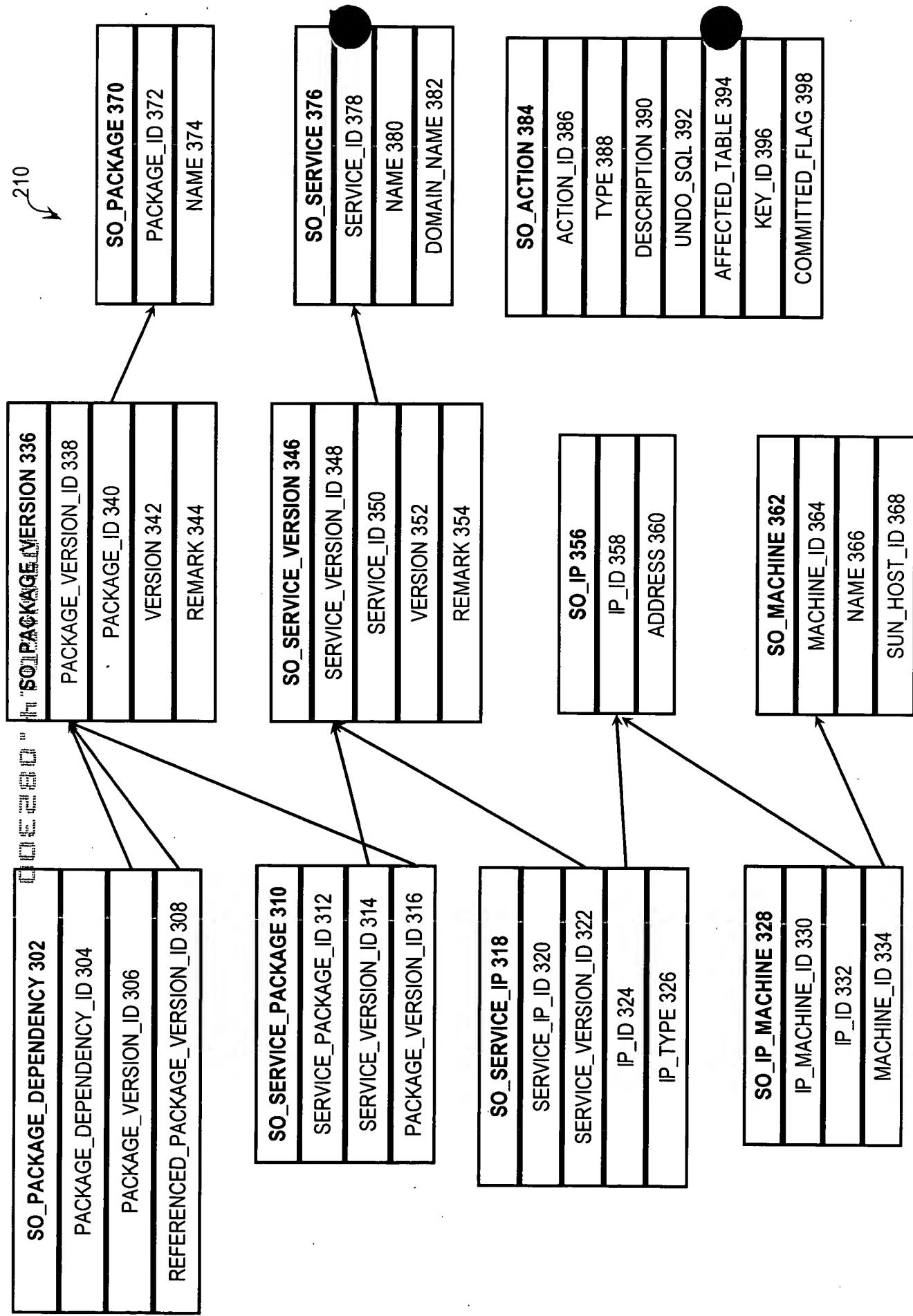
PACKAGE/SERVICE INTERDEPENDENCY
DATABASE

210

SOURCE CODE
CONTROL SYSTEM
212

FIGURE 2

FIGURE 3



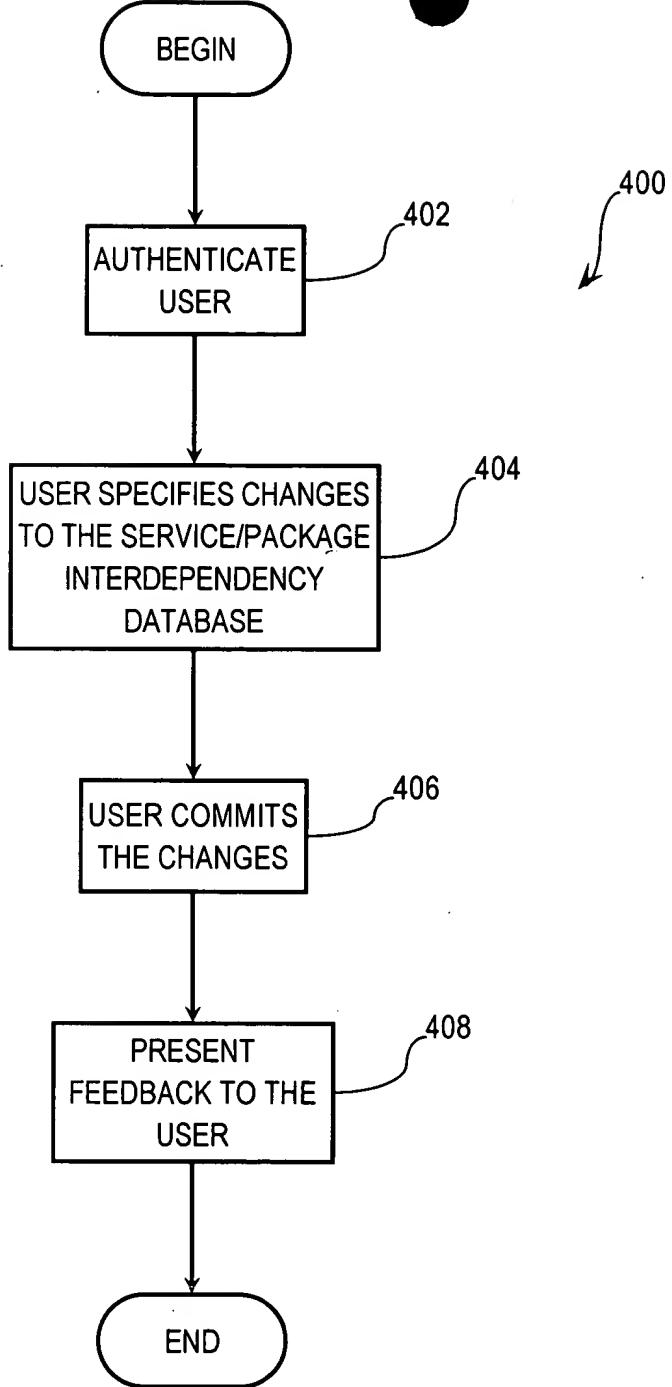


FIGURE 4

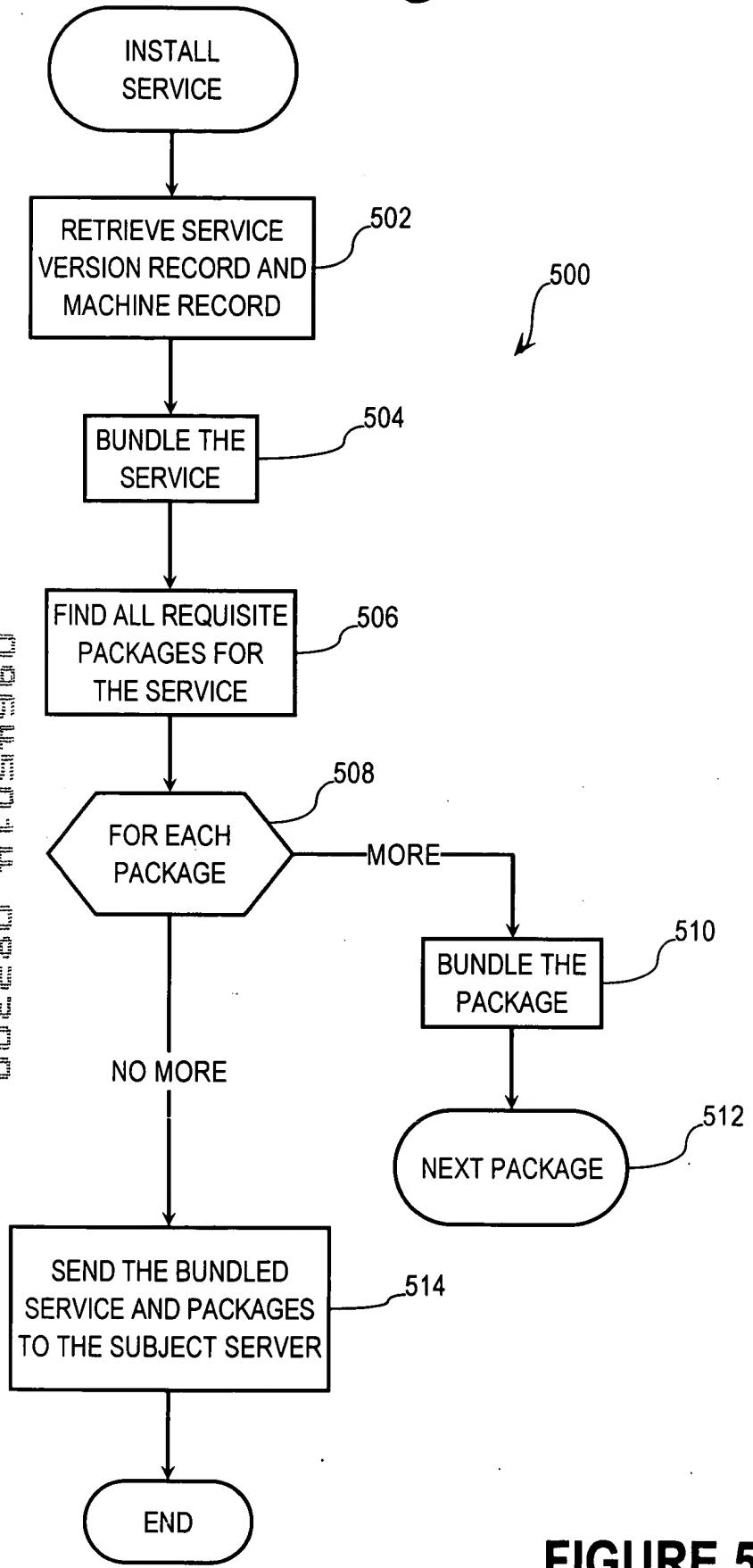


FIGURE 5

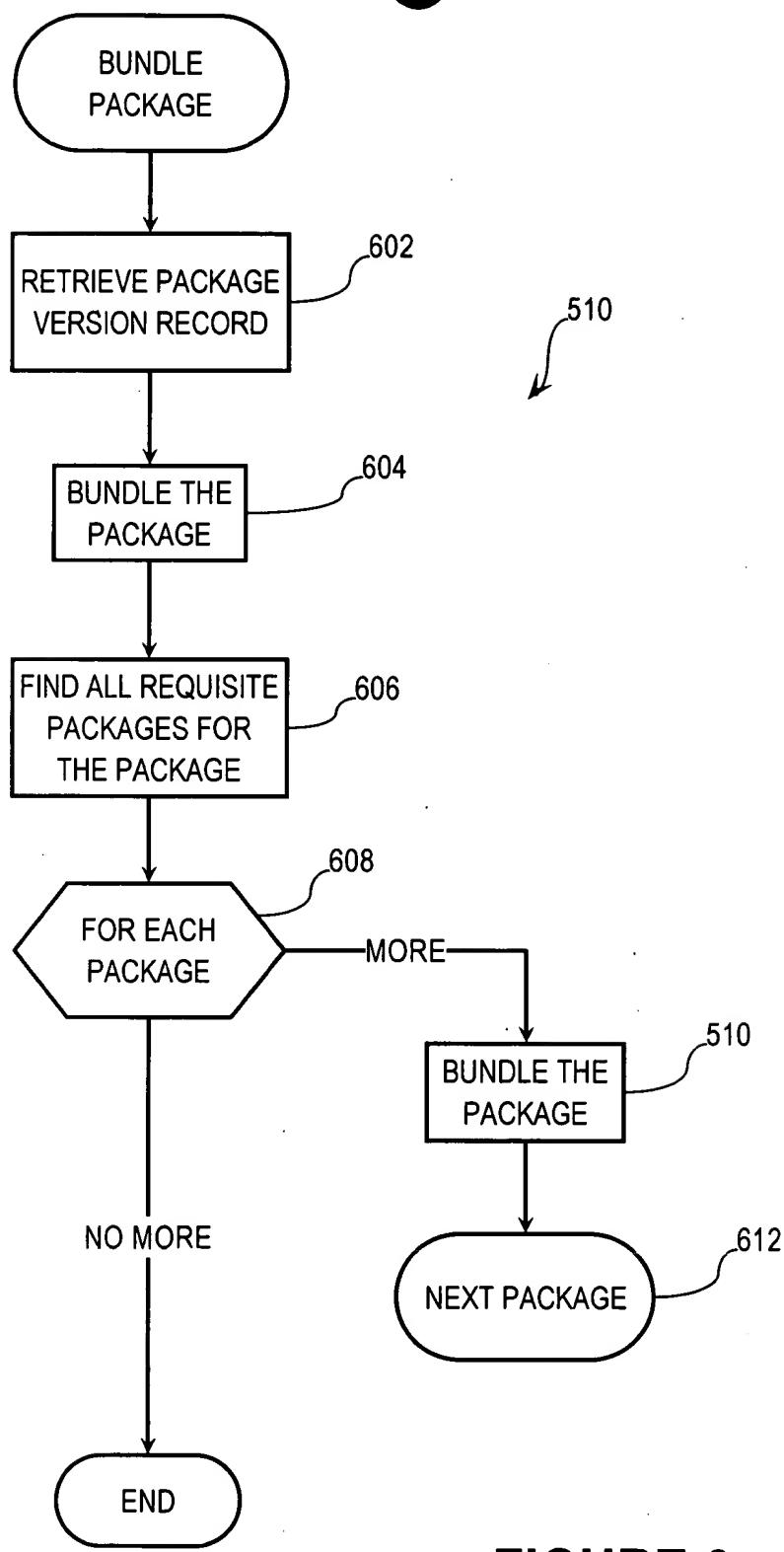


FIGURE 6

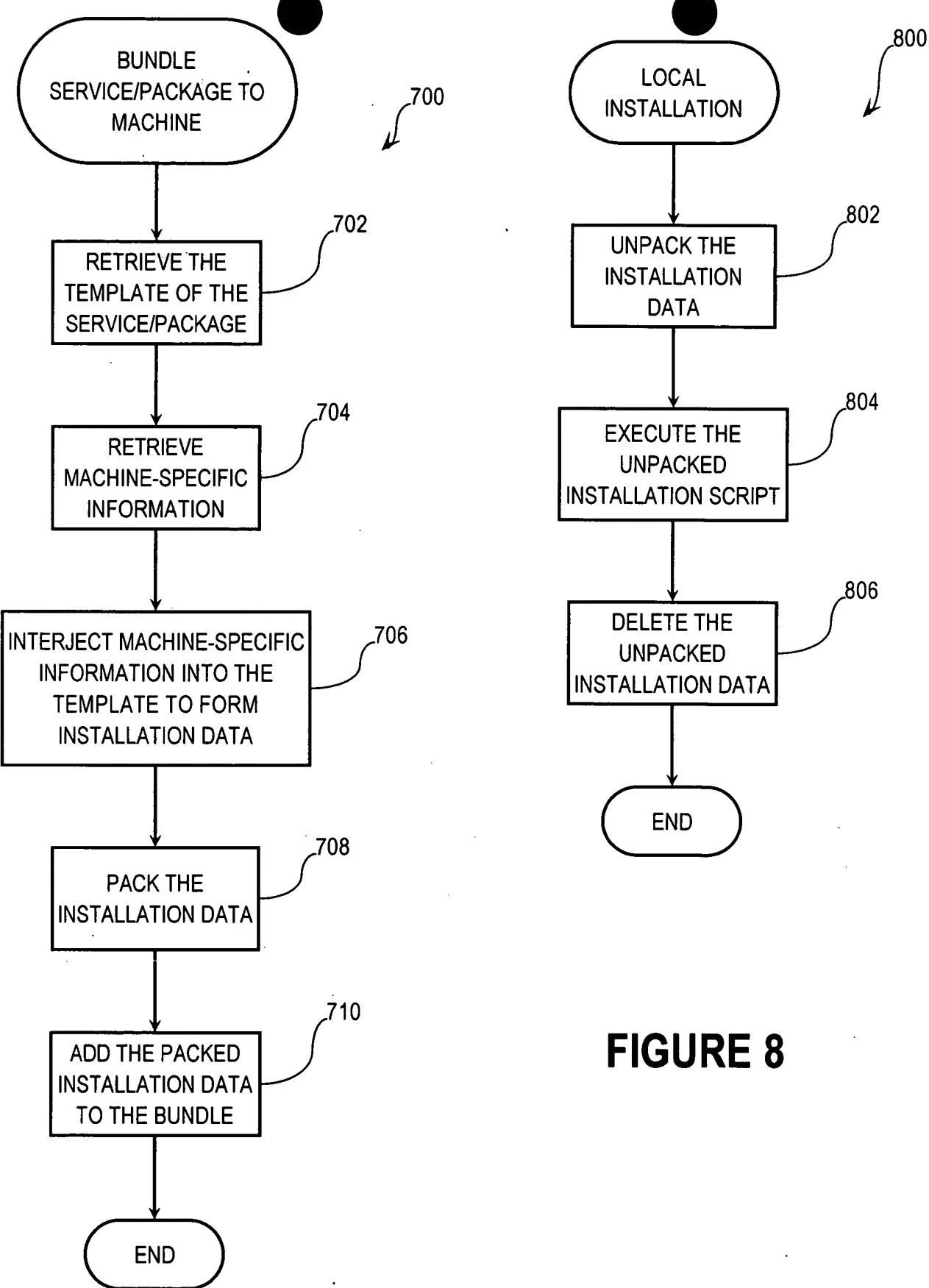
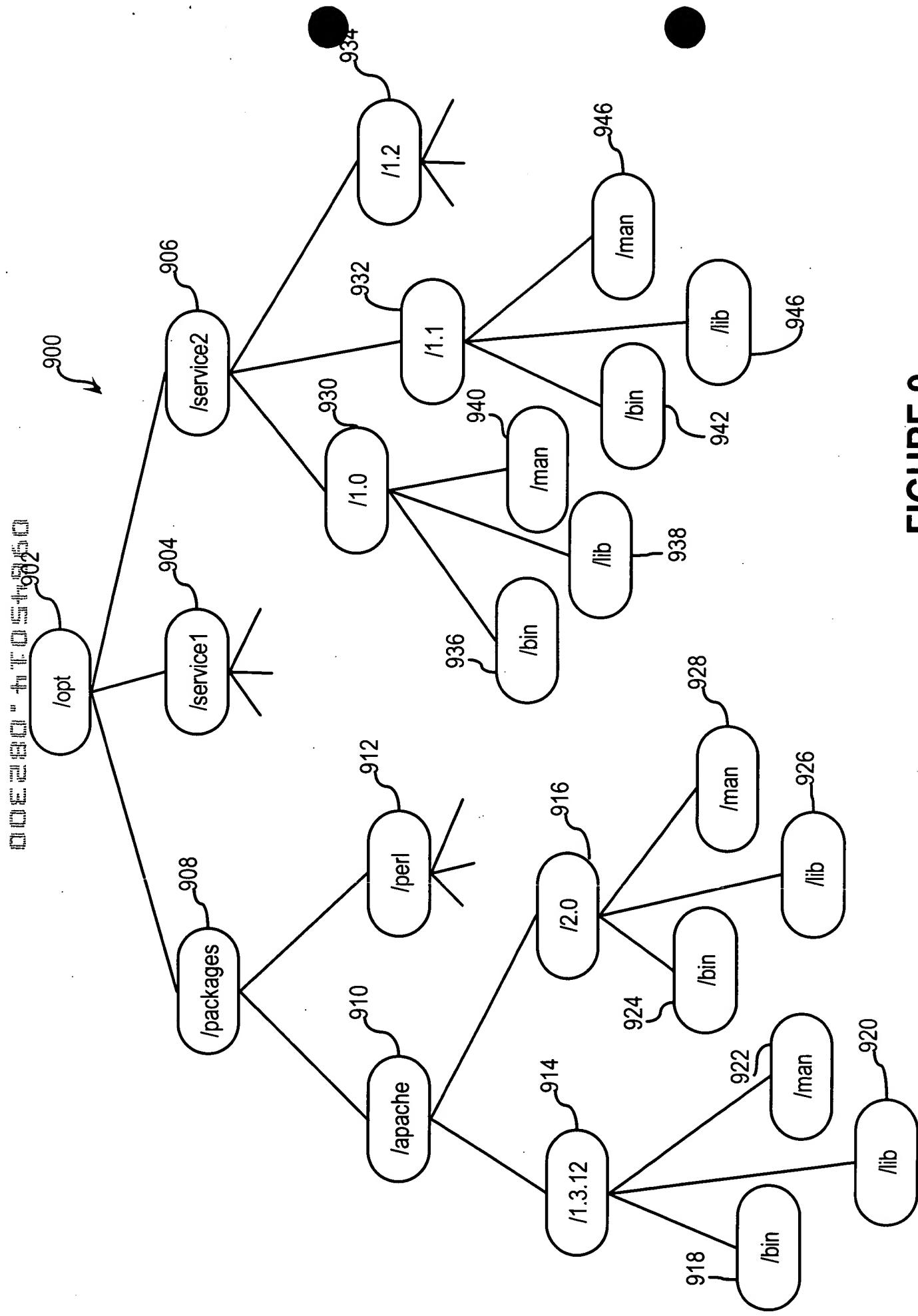


FIGURE 9



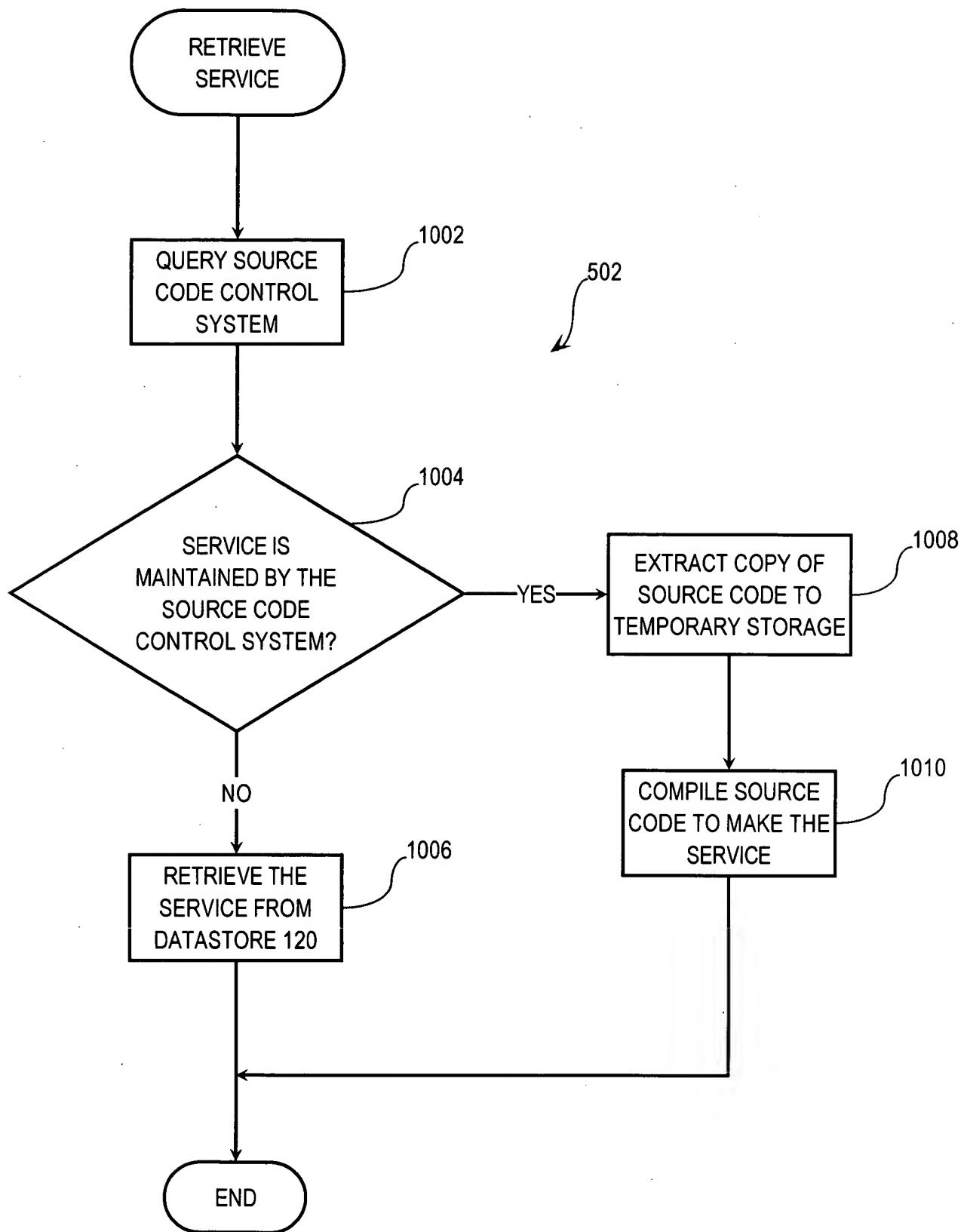


FIGURE 10

Services Packages IPs Machines (Actions)

Edit Existing Service

1102

ccash
corporate
genuinemusic
lmn
merchant
muze
muze.eu
portable
preview
promo

1104

1106

[View Current Service/Machine Assignments]

Add New Service

Service Name: I 1108

Domain Name: 1110

1112

The diagram illustrates a user interface for managing services. At the top, there are tabs for Services, Packages, IPs, Machines, and Actions. Below the tabs, there are two main sections: 'Edit Existing Service' and 'Add New Service'. In the 'Edit Existing Service' section, there is a list of existing services (ccash, corporate, genuinemusic, lmn, merchant, muze, muze.eu, portable, preview, promo) enclosed in a box labeled 1102. To the right of this list are two buttons: 'Edit Service' (labeled 1104) and 'Delete Service' (labeled 1106). A bracket labeled 1100 points to the 'Edit Service' button. Below the list is a link labeled '[View Current Service/Machine Assignments]'. In the 'Add New Service' section, there are two input fields: 'Service Name' containing the letter 'I' (labeled 1108) and 'Domain Name' (labeled 1110). Below these fields is a button labeled 'Add Service' (labeled 1112). A bracket labeled 1110 points to the 'Domain Name' field.

FIGURE 11

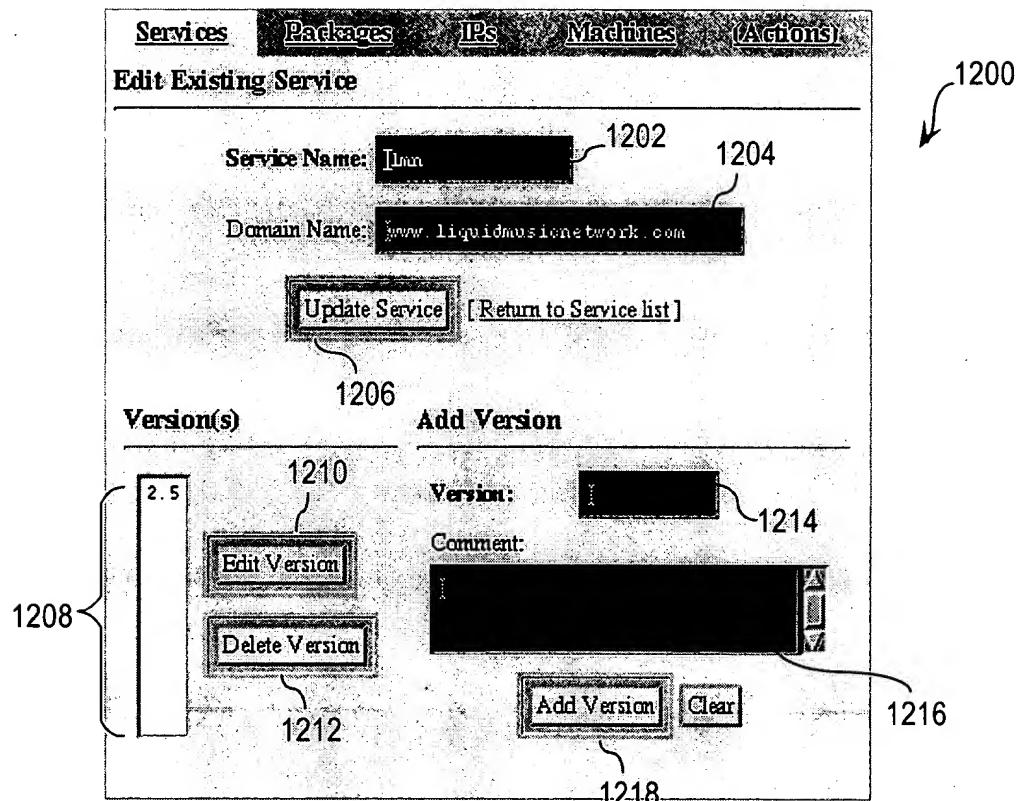


FIGURE 12

1300

1302

Edit Existing Service Version

Services **Packages** **IPs** **Machines** **(Actions)**

Name & Version: lms 2.5 Copy to Version: lms 2.5

Comment: n/a

[Return to Service Version list]

Copy Version Clear

Package(s) for Service

lms 5.0a8.1
lms 5.0a9
lms 5.0a9-1
logrotate 3.3
mysql 5.22.27
oracle 8.0.5-client
perl 5.004_04
riffsd 1.0
rms 6.0
lms 7.0

Update Packages Reset

IP(s) & Machine(s) for Service

208.48.112.59 redshirt
208.48.88.58 ronjeremy
209.19.117.87 rosemary
206.132.160.74 saffron
208.48.112.49 saffron
208.48.112.54 sage
208.48.88.13 sage
208.48.88.14 sage
208.48.88.25 salt
208.48.88.26 salt

Update IPs Reset

[Edit IP Types]

FIGURE 13

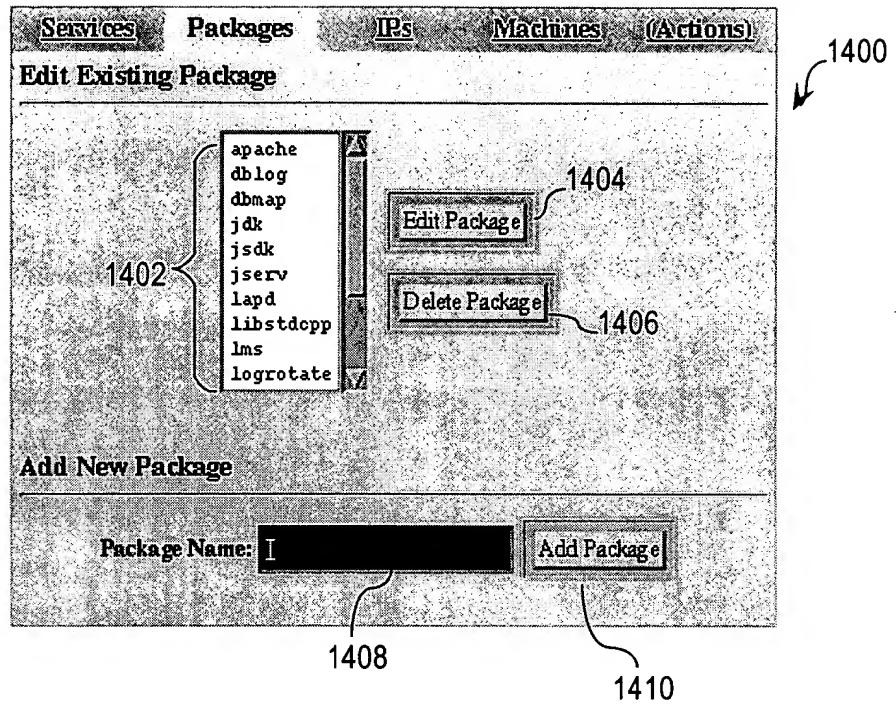


FIGURE 14

00000000000000000000000000000000

Services	Packages	IPS	Machines	(Actions)																				
Edit Existing Package 1502																								
Package Name: Jms [Update Package] 1504																								
[Return to Package list]																								
Version(s) 1508																								
<table border="1"><tr><td>4.0.1</td><td>1506</td></tr><tr><td>5.0a10</td><td></td></tr><tr><td>5.0a12</td><td></td></tr><tr><td>5.0a13</td><td></td></tr><tr><td>5.0a19.1</td><td></td></tr><tr><td>5.0a20</td><td></td></tr><tr><td>5.0a25</td><td></td></tr><tr><td>5.0a7</td><td></td></tr><tr><td>5.0a8.1</td><td></td></tr><tr><td>5.0a9</td><td></td></tr></table>					4.0.1	1506	5.0a10		5.0a12		5.0a13		5.0a19.1		5.0a20		5.0a25		5.0a7		5.0a8.1		5.0a9	
4.0.1	1506																							
5.0a10																								
5.0a12																								
5.0a13																								
5.0a19.1																								
5.0a20																								
5.0a25																								
5.0a7																								
5.0a8.1																								
5.0a9																								
Add Version																								
<table border="1"><tr><td>Version: I 1512</td></tr><tr><td>Comment:</td></tr><tr><td>[Edit Version] 1510</td></tr><tr><td>[Delete Version] 1514</td></tr><tr><td>[Add Version] 1516</td></tr><tr><td>[Clear] 1518</td></tr></table>					Version: I 1512	Comment:	[Edit Version] 1510	[Delete Version] 1514	[Add Version] 1516	[Clear] 1518														
Version: I 1512																								
Comment:																								
[Edit Version] 1510																								
[Delete Version] 1514																								
[Add Version] 1516																								
[Clear] 1518																								

FIGURE 15

FIGURE 16

Services	Packages	IPS	Machines	Actions
Edit Existing Package Version Name & Version: <input type="text" value="16 5 0 3 2 5"/> 1602 Comment: <input type="text" value="Hopefully better..."/>				
[Return to Package Version list]				
Package(s) Dependent Upon <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <input type="checkbox"/> apache 1.3.9 <input type="checkbox"/> apache 1.3.9-j-s <input type="checkbox"/> apache 1.3.9-j-sm <input type="checkbox"/> apache 1.3.9-p <input type="checkbox"/> apache 1.3.9-s <input type="checkbox"/> apache 1.3.9-so <input type="checkbox"/> dblog 1.0 <input type="checkbox"/> dbmap 1.1 <input type="checkbox"/> jdk 1.1.8_10 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <input type="checkbox"/> merchant 1.2 <input type="checkbox"/> merchant 1.3 <input type="checkbox"/> merchant 1.4 <input type="checkbox"/> merchant 1.5 <input type="checkbox"/> muse 1.5 <input type="checkbox"/> muse.eu 1.1 <input type="checkbox"/> portable 1.0 <input type="checkbox"/> portable 1.1 <input type="checkbox"/> preview 1.0 <input type="checkbox"/> promo 1.1 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <input type="checkbox"/> Update Services <input type="checkbox"/> Update Packages <input type="checkbox"/> Reset </div>				
Service(s) using Package <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <input type="checkbox"/> 1604 <input type="checkbox"/> 1612 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <input type="checkbox"/> 1604 <input type="checkbox"/> 1612 <input type="checkbox"/> 1610 </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <input type="checkbox"/> 1604 <input type="checkbox"/> 1612 <input type="checkbox"/> 1610 <input type="checkbox"/> 1614 </div>				
On Machine(s) <small>Information only. The packages on a machine are dictated by the requirements of a service.</small> <ul style="list-style-type: none"> - <input type="checkbox"/> merchant - <input type="checkbox"/> muse - <input type="checkbox"/> portable - <input type="checkbox"/> preview - <input type="checkbox"/> promo - <input type="checkbox"/> dbmap - <input type="checkbox"/> apache - <input type="checkbox"/> jdk - <input type="checkbox"/> dblog - <input type="checkbox"/> muse.eu - <input type="checkbox"/> apache 1.3.9 - <input type="checkbox"/> apache 1.3.9-p - <input type="checkbox"/> apache 1.3.9-s - <input type="checkbox"/> apache 1.3.9-so - <input type="checkbox"/> dblog 1.0 - <input type="checkbox"/> dbmap 1.1 - <input type="checkbox"/> jdk 1.1.8_10 				

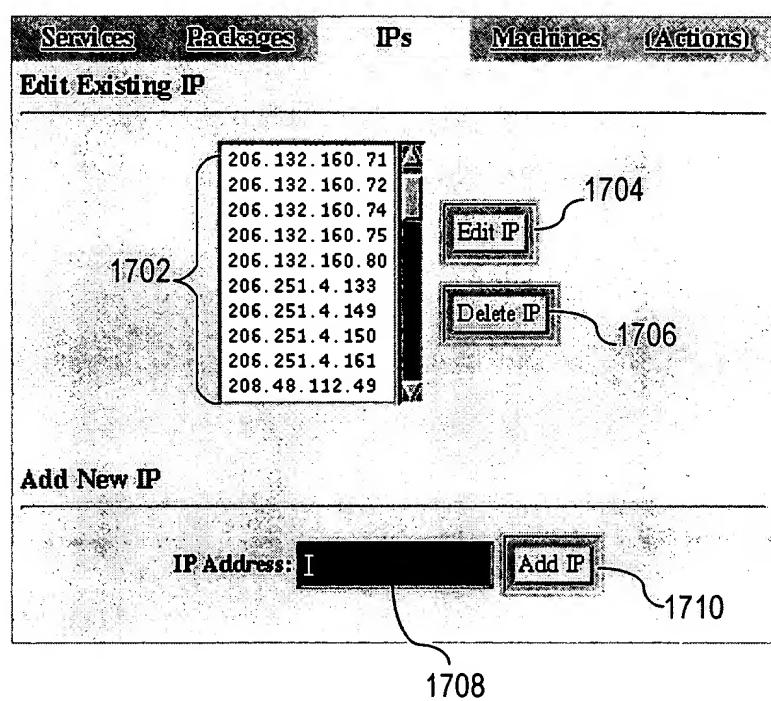


FIGURE 17

1800

Edit Existing IP	
IP Address: [208.48.112.49]	<input type="button" value="Update IP"/> [Return to IP list]
Machine(s) for IP	Service(s) on IP
<ul style="list-style-type: none"> ronjeremy rosemary saber saffron sage salt skillet stiletto stream4 yeast 	<ul style="list-style-type: none"> ccash 3.0 corporate 1.0 genuinemusic 1.0 lun 2.5 merchant 1.1 merchant 1.2 merchant 1.3 merchant 1.4 merchant 1.5 muze 1.5
<input type="button" value="Update Machines"/> <input type="button" value="Reset"/>	<input type="button" value="Update Services"/> <input type="button" value="Reset"/>

FIGURE 18

09/24/04 - 09/28/04

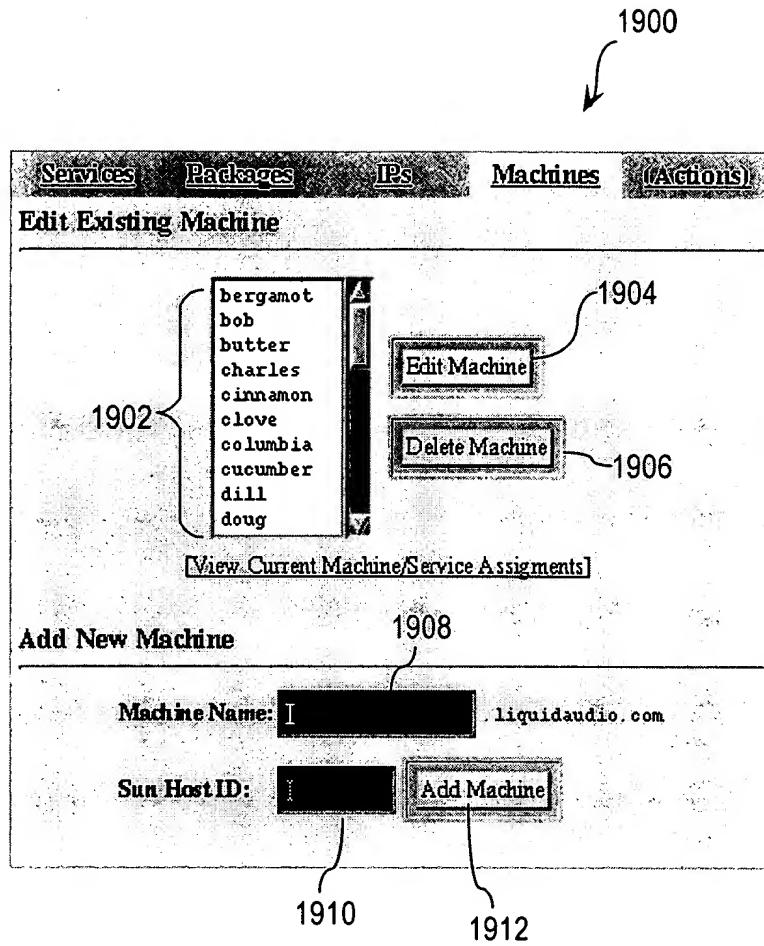


FIGURE 19

2000

2002

2004

2006

2008

2010

2012

2014

Machines

Edit Existing Machine

Machine Name: laffron liquidaudio.com

Sun Host ID: 309d686d

Update Machine Cancel

IP(s) on Machine

Informational only: the IP(s) on a machine are dictated by the requirements of a service.

- 10.0.0.29
- 206.132.160.69
- 206.132.160.71
- 206.132.160.72
- 206.132.160.74
- 206.132.160.75
- 206.132.160.80
- 206.251.4.133
- 206.251.4.149
- 206.251.4.150
- 206.251.4.161
- 208.48.112.49
- 208.48.112.54
- 208.48.112.55
- 208.48.112.57
- 208.48.112.58
- 208.48.112.59
- 208.48.112.60
- 208.48.112.62
- 208.48.112.64

Update IPs Reset

Package(s) on Machine

Informational only: the packages on a machine are dictated by the requirements of a service.

- apache-1.3.9
- lms-5.0a12
- mysql-3.22.27
- perl-5.004_04
- rms-7.0

Service(s) on Machine

Informational only: the services on a machine are assigned via IP addresses.

- lmm-2.5

FIGURE 20

03645015 - 002300

2102

Actions	Services	Packages	IPs	Machines
Review Actions				
Select the radio button for the latest action to be committed.				
2104	<input checked="" type="radio"/> (commit none)			
2106	<input checked="" type="radio"/> add package: zip pj1 13-APR-2000 11:34			
2108	<input checked="" type="radio"/> add package version: zip-1.0 pj1 13-APR-2000 11:34			
Software will be deployed only for actions where ANY ONE of the following is true:				
<ol style="list-style-type: none">1. An IP address with a service assigned to it is assigned to a machine.2. A service is assigned to an IP address (that is assigned to a machine).3. A package is added to a service (that is assigned to an IP address that is assigned to a machine).4. A package has been added as a dependency to a package that is used by a service (that is assigned to an IP address that is assigned to a machine).				
Non-committed actions WILL BE ROLLED BACK.				
<input type="button" value="Commit & Deploy"/> 2110				

2100

FIGURE 21